AUG. 85

FLUKE®

# Instruction Sheet

# Model 8842A
## Option -05/-09

## INTRODUCTION

This sheet provides instructions for installing the IEEE-488 Interface (Option -05) and True RMS AC (Option -09) in the 8842A Multimeter. Refer to the 8842A Instruction Manual for operating instructions and service information.

## REMOVING THE CASE

Before installing either option, first remove the instrument case as follows:

**WARNING**

**TO AVOID ELECTRIC SHOCK, DISCONNECT THE POWER CORD AND TEST LEADS BEFORE REMOVING THE INSTRUMENT CASE.**

1. Remove the grounding screw from the bottom of the case and remove the two rear panel mounting screws (Figure 1A).

2. Holding the front panel, slide the case and rear bezel off of the chassis (Figure 1B). (At this point, the rear bezel is not secured to the case.)

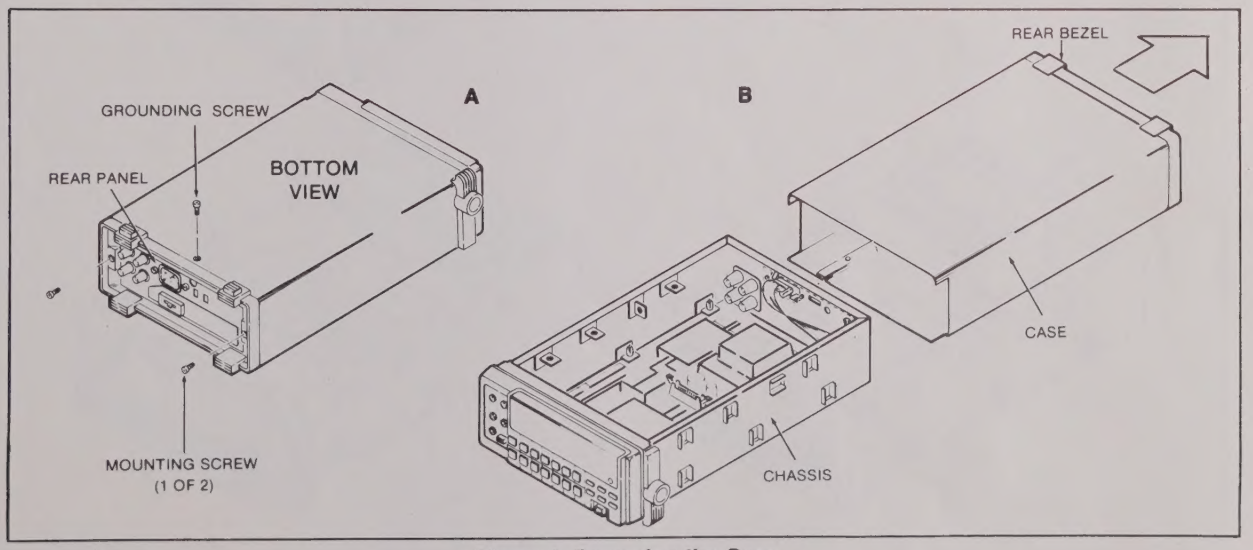


**Figure 1. Removing the Case**

**John Fluke Mfg. Co., Inc., P.O. Box C9090, Everett, WA 98206**
**Fluke (Nederland) B.V., P.O. Box 5053, 5004 EB Tilburg, The Netherlands**

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## INSTALLING OPTION -05

The IEEE-488 Interface is contained on a single, easy-to-install printed circuit assembly (PCA). To install the option, remove the case as described earlier and proceed as follows:

1. Disconnect the ribbon cable from the plastic rear panel insert by pulling the tabs on either side of the ribbon cable connector outward. Pull the ribbon cable directly toward the front panel (Figure 2A).

2. Remove the rear panel insert by releasing the two snap tabs inside the instrument (Figure 2B).

3. Connect the the ribbon cable from the Main PCA to the connector on the IEEE-488 Interface PCA (Figure 2C).

4. Latch the ribbon cable in place as shown in Figure 2D.

5. With the component side down, guide the BNC and IEEE-488 connectors (located on the rear of the IEEE-488 Interface PCA) into the rear panel, and seat the IEEE-488 Interface PCA on the mounting supports on the chassis (Figure 2E).

6. Pull the two nylon latches upward to ensure that the latches are in the extended position.

7. Fasten the IEEE-488 Interface PCA to the chassis by pressing the two nylon latches into the mounting supports. (See Figure 2F.)

8. Secure the IEEE-488 connector to the rear panel with the two jack screws and washers supplied. (See Figure 2F.)

9. Replace the cover and rear bezel on the chassis and attach the two rear panel mounting screws. (See Figure 1.)

10. Attach the grounding screw to the bottom of the case.

**WARNING**

**TO AVOID ELECTRIC SHOCK, ENSURE THE GROUNDING SCREW IS FIRMLY ATTACHED TO THE CASE BOTTOM.**

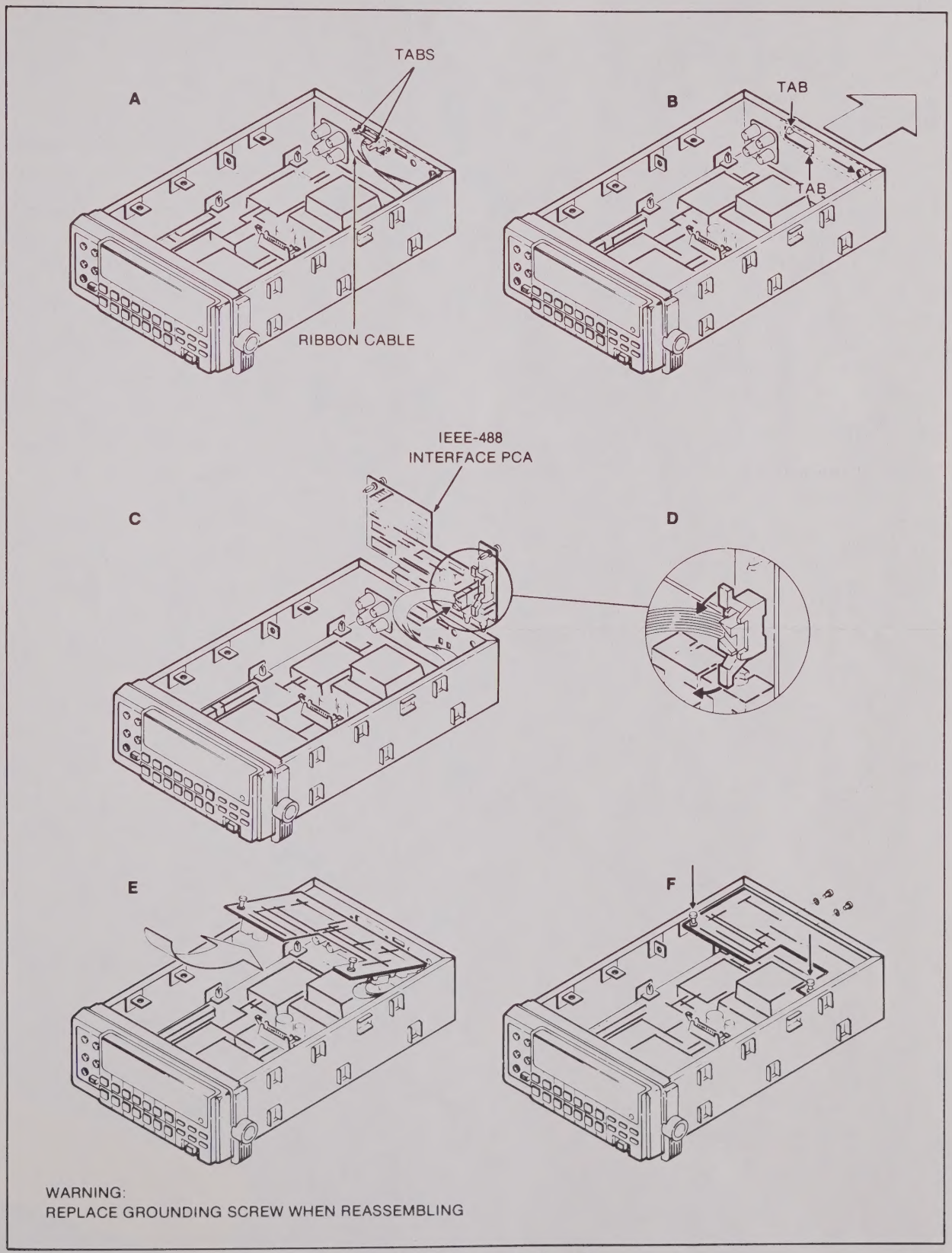


**Figure 2. Installing Option -05**

## INSTALLING OPTION -09

The True RMS AC option is contained on a single, easy-to-install printed circuited assembly (PCA). To install the option, remove the case as described earlier and proceed as follows:

1. Holding the True RMS AC PCA slightly above the chassis, component side down, connect the the ribbon cable from the True RMS AC PCA to the Main PCA and latch it in place. (See Figure 3A and B.)

2. Connect the red lead from the True RMS AC PCA to stud J301 on the Main PCA. (See Figure 3A.) The stud is located next to the forward end of the FRONT/REAR switch.

3. Pull the four nylon latches upward to ensure that the latches are in the extended position.

4. Fasten the True RMS AC PCA to the chassis by pressing the four nylon latches into the mounting supports on the chassis. (See Figure 3C.)

5. Reinstall the cover and rear bezel on the chassis and attach the two rear panel mounting screws. (See Figure 1.)

6. Attach the grounding screw to the bottom of the case.

**WARNING**

**TO AVOID ELECTRIC SHOCK, ENSURE THE GROUNDING SCREW IS FIRMLY ATTACHED TO THE CASE BOTTOM.**

7. Calibrate the VAC and mA AC functions according to the calibration instructions given in the Maintenance section in the 8842A Instruction Manual.

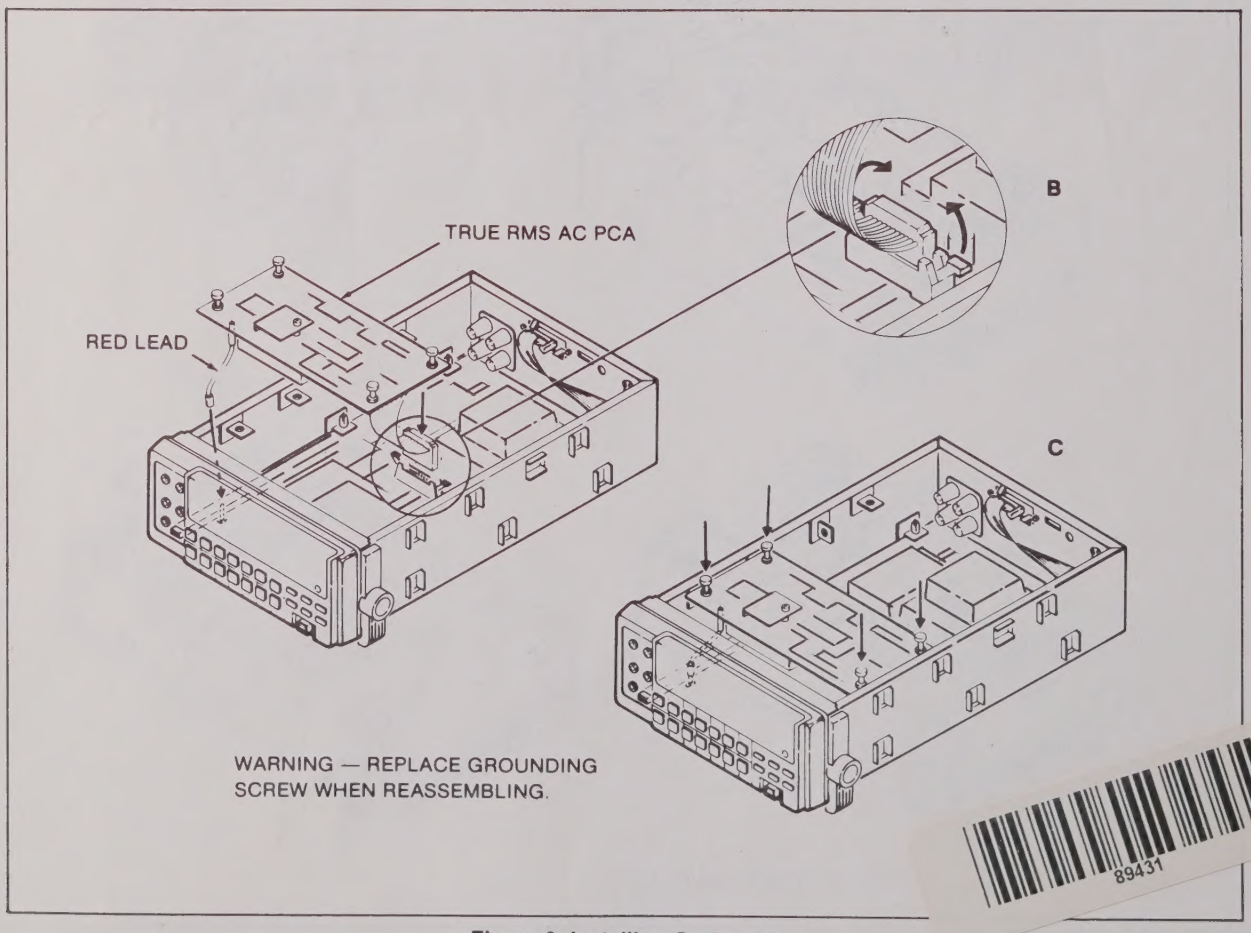


**Figure 3. Installing Option -09**